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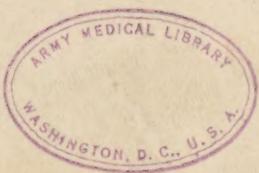
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U.S. Army.

MEDICAL SERVICE CORPS CONFERENCE

MEDICAL ALLIED SCIENCES SECTION



MAY 27,-28, 1948

U.S. Surgeon-General's Office.
OFFICE OF THE SURGEON GENERAL

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AGENDA FOR CONFERENCE ON THE MEDICAL ALLIED SCIENCES SECTION
OF THE MEDICAL SERVICE CORPS

Chairman: Major L. R. Kuhn, MSC, Asst. Chief, Medical Service Corps
and Chief, Medical Allied Sciences Section.

MAY 27, 1948 - 9:00 A.M.

I. EXPRESSIONS OF WELCOME TO THE CONFEREES.

Maj. Gen. Raymond W. Bliss, The Surgeon General, U.S.Army
Maj. Gen. Malcolm C. Grow, The Air Surgeon.

II. THE AIMS OF THE CONFERENCE.

Col. Tom F. Whayne, MC, Chief, Division of Preventive Medicine, SGO

III. THE ARMY MEDICAL SERVICE CORPS, WITH PARTICULAR REFERENCE TO THE
MEDICAL ALLIED SCIENCES SECTION.

Col. Othmar F. Goriup, MSC, Chief, Medical Service Corps, SGO

RECESS

IV. THE PROCUREMENT PROGRAM

Col. William H. Amspacher, MC, Chief, Procurement Branch, SGO

V. THE CAREER PATTERN PLAN.

Lt. Col. Fred J. Fielding, MC, Chief, Career Management Branch, SGO

VI. THE LABORATORIES AND SANITATION BRANCHES OF THE DIVISION OF PREVENTIVE
MEDICINE.

Lt. Col. Howard A. Van Auken, Chief, Laboratories Branch, SGO

LUNCH

MAY 27, 1948 - 2:00 P.M.

VII. THE ACTIVITIES OF THE ARMY LABORATORIES IN THE THEATER OF OPERATIONS.

Film. (Room 5A1070) Comments by Dr. Gustave J. Dammin, Consultant, SGO

VIII. THE ARMY MEDICAL DEPARTMENT RESEARCH AND GRADUATE SCHOOL.

Col. Rufus L. Holt, MC, Commandant, A.M.D.R.G.S.

IX. THE RESEARCH AND DEVELOPMENT BOARD, SGO

Col. Don Longfellow, MC, Chairman, Medical Research and Development
Board, SGO.

- X. THE RESEARCH AND DEVELOPMENT BOARD, OAS
Col. Otis O. Benson, Jr., MC, Chief, Medical Research Division, OAS
- XI. THE ARMY MEDICAL NUTRITION LABORATORY
Dr. Robert E. Johnson, Dir. of Nutrition Laboratory, Chicago, Ill.
- XII. THE SCHOOL OF AVIATION MEDICINE.
Brig. Gen. Harry G. Armstrong, MC, Commandant, School of Aviation Medicine.
- XIII. THE AERO MEDICAL RESEARCH LABORATORIES
Col. Edward J. Kendricks, MC, Chief, Aero Medical Laboratory
- XIV. CLINICAL PSYCHOLOGY AND PSYCHIATRIC SOCIAL WORK.
Col. John M. Caldwell, MC, Chief, Neuropsychiatry Consultants Division, SGO
Lt. Col. Charles S. Gersoni, MSC, Chief, Clinical Psychology Branch, Neuropsychiatry Consultants Division, SGO
- XV. RESEARCH PSYCHOLOGY IN THE AIR FORCE.
Lt. Col. Anthony C. Tucker, MSC, Chief, Psychology Branch, OAS
- XVI. THE ARMY INDUSTRIAL MEDICINE AND HYGIENE PROGRAM.
Col. W. C. Cox, MC, Chief, Army Industrial Hygiene Laboratory, SGO
- XVII. THE SPECIAL PROJECTS DIVISION.
Col. James P. Cooney, MC, Chief, Special Projects Division, SGO

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MAY 28, 1948 - 9:00 A.M.

- I. A BRIEF REVIEW OF EFFICIENCY REPORTS, PROMOTIONS AND SALARIES.
Col. Othmar F. Goriup, MSC, Chief, Medical Service Corps, SGO
- II. GENERAL DISCUSSION SESSION.
Chairman, Major L. R. Kuhn, MSC, AMDRGS

MAY 28, 1948 - 1:00 P.M.

CONTINUATION OF DISCUSSION SESSION

THIRD EDITION MEDICAL GUIDE

and personal skills. All will be required to demonstrate good health. (3) All will be required to demonstrate a capacity for enough leisure time to have rest and sleep well balanced and to have well balanced family interests to furnish him with motivation and stimulation. (4) Required service in the Army must be conducted in accordance with the service of other civilian staff members except as follows: (a) Acting as military or naval instructors and not soldiers in the regular service can be required to conduct the course and not the students. (b) Conducting courses of instruction in advanced professional subjects such as neurology or orthopedics will be allowed if the individual agrees to undergo additional training himself.

INSTRUCTIONS

for

CAREER GUIDANCE PATTERNS

for

MEDICAL DEPARTMENT OFFICERS

Medical Corps

Dental Corps

Veterinary Corps

Medical Service Corps

Army Nurse Corps

Women's Medical Specialist Corps

26. MEDICAL CORPS

a. PERIOD OF CONSTRUCTIVE CREDIT

(1) Under the provisions of Public Law 381, 80th Congress approved August 7, 1947, each person appointed in the Medical Corps of the Regular Army shall at the time of appointment be credited with an amount of service equal to four years. This service credit is given as compensation for the additional years of education required for the degree of Doctor of Medicine and allows for an internship which is a prerequisite to such appointment. By reason of this credit each Medical Officer enters the Regular Army in the grade of First Lieutenant.

b. PERIOD OF BASIC TRAINING

(1) The period of basic training is fixed at three years, which brings the officer to the grade of captain. During this period each officer will receive initially basic military-medical training at the Medical Field Service School, Brooke Army Medical Center, Fort Sam Houston, Texas. Those officers desiring to serve with the Air Force will also take the basic course at the School of Aviation Medicine, Randolph Field, Texas. Subsequent to the formal basic training, the officer's potentialities for professional specialization will be studied and he will be given an opportunity to state his interests and preferences toward his entrance into a particular career pattern. At this time he may be selected for residency training in a particular professional specialty. Throughout the period of basic training, the officer will become acquainted with the Army and Army Medical Service. Officers will serve in general duty assignments either in the Zone of Interior or on foreign service with fixed or T/O general or station hospitals, dispensaries, or field units. He should be rotated on various professional assignments at his station and learn under supervision of senior officers such administrative procedures concerned with patients and their records as are consistent with his assignment.

c. PROFESSIONAL GROUP

(1) If selected for residency training in a particular specialty in a hospital he will be assigned to that particular service for a one year period and receive training in that specialty as outlined in SGO Circular 5, 13 January 1948. This Circular was published for the purpose of standardizing the details concerning the operation of the teaching

programs to assure their continued acceptance by the various American Specialty Boards, and the American Medical Association.

- (2) After completion of one year of training the officer may apply for an additional year's residency training with a view toward later certification by an American Specialty Board. Reappointments will be made upon a competitive basis.
- (3) Once an officer has been given a MOS by The Surgeon General who is the authority for the classification of medical officers he will be assigned in accordance with his MOS as long as professional competence is demonstrated.
- (4) Between residency training periods it is contemplated that the officer will be assigned as Assistant Chief of sections or services at various size hospitals. He may have the opportunity for a course of instruction or residence in a civilian institution or a research assignment. The most promising officer will be given every opportunity by training and experience to prepare themselves to be outstanding authorities in their particular professional field.

d. MEDICAL COMMAND AND MANAGEMENT GROUP

- (1) During the period of basic training certain few officers will show a particular aptitude for administrative and/or command duties. Since vacancies in these duties are relatively scarce for junior company grade officers, assignments will be planned on a rotational basis. The majority of time until these officers reach field grade will be spent in professional duties as a general medical officer. Depending on the officer's capabilities and choice he will be guided into two general channels - Hospital Administration and Medical Supply. An initial phase of this specialization is to function as an instructor at the Medical Field Service School; instruction in general to be in those subjects which are related to the officer's field of interest. Initial specialization of this type will be followed by special details in primary field of interest and/or assignment as students to civilian organizations and institutions for courses in Supply Management, Hospital Administration and Personnel Administration. Selected individuals will be chosen for attendance at the Command and General Staff College and the Industrial College depending upon their demonstrated ability and upon their potentialities.

e. STAFF GROUP

- (1) A few Medical Officers will demonstrate potentialities as medical staff officers early in their careers, and because

this is such an important quality in an Army Officer, it is desirable that it be recognized quickly and fostered even though the age and rank of the officer precludes independent assignment. During the years that this group are company grade the majority of their assignment will be in general medicine, but as many as possible will have tours in Army Ground Forces Units, Army Area Headquarters and Surgeon General's Office. Formal training for officers interested in staff duties will be in service schools up to and including Industrial College of the Armed Forces or the National War College, and in selected civilian institutions for training in Public Health, Personnel Management, and Administration.

f. GENERAL ASSIGNMENT INSTRUCTIONS

- (1) Because of the complexity of the professional duties of Medical Corps officers, rotation of assignments beyond the three year period of basic training will not be ordinarily followed. Officers must be assigned to duties commensurate with their specialty and degree of ability in accordance with their classification as given by The Surgeon General. The details of specific career patterns will be presented to officers during their initial formal basic training.

27. DENTAL CORPS

a. PERIOD OF CONSTRUCTIVE CREDIT

- (1) Under the provisions of Public Law 381, 80th Congress, approved 7 August 1947, each person appointed in the Dental Corps of the Regular Army shall at the time of appointment be credited with an amount of service equal to three years. This service credit is given as compensation for the additional years of education required for the degree of Doctor of Dental Surgery which is a prerequisite to such appointment. By reason of this credit each Dental officer enters the Regular Army in the grade of First Lieutenant.

b. GENERAL ASSIGNMENT INSTRUCTIONS

- (1) Because of the limitations of the specific field of Dental Surgery, rotation of assignments outside this field is not practicable. Until specialization within the field of Dental Science has been attained, officers will perform duties of a general practitioner of dentistry. Subsequent to classification by The Surgeon General of an officer in the specialized areas of Dental Surgery assignments through the periods of specialized and general training should continue in the area indicated by the officers assigned classification.

28. VETERINARY CORPS

a. GENERAL ASSIGNMENT INSTRUCTIONS

- (1) The pattern chart outlines types of assignments for Veterinary Corps officers. Rotation of assignments during the period of basic training will be within the field of Veterinary Medicine. Subsequent to classification by The Surgeon General of an officer in the specialized areas of Veterinary activities, his assignments should continue in the area indicated. Because of the relatively small number of authorized Veterinary Corps officers in the Regular Army, each officer will consequently have a personalized career within his selected field.

29. MEDICAL SERVICE CORPS

a. GENERAL ASSIGNMENT INSTRUCTIONS

- (1) During "Period of Basic Training," newly commissioned officers in the Regular Army will, during the first year of service attend the Basic Course of training for the purpose of orientation. This will be followed by training at the Basic Branch Course --MFSS. This phase of training is designed to equip the officer with a fundamental knowledge of the Army and the techniques of his branch of service. The ensuing years within scope of this period will be devoted to professional and practical training in respective specialties at Medical Department Schools and Medical Department Units and Installations.
- (2) The "Period of Specialized Training" will vary in assignments, duties and training within each section, therefore, separate instructions for each specialized field are listed. During this period, attendance at the Advanced Branch Course will be required. The Tactical and Administrative Phase is mandatory for all officers. The Professional Phase, Hospital Administration, will be given to selected officers.
- (3) During the "Definitive Period," the most promising officer will be selected and given tours of duty in responsible assignments. Principal assignments will be --Repeat tours in the Department of the Army; Branch Chief Level assignments in The Surgeon General's Office and Theater Surgeon's Staffs, Instructors at Command and General Staff College, Armed Forces Staff College, Industrial College of the Armed Forces or National War College, Supervisory duties at the Medical Department Schools and Laboratories and Branch Immaterial assignments. Officers who show particular aptitudes for highly responsible over-all supervisory duty will be continued in assignments training them for the highest supervisory level position in the ZI and Overseas in time of war.

b. PHARMACY, SUPPLY AND ADMINISTRATION

- (1) Officers will serve a normal tour of duty with fixed medical installations or field units. Upon completion of initial phase of on-the-job training, officers will be assigned duties commensurate with their grade and training at Medical Department Installations in the Zone of Interior and Overseas, to Posts, Camps, and Stations, duty with Civilian Components, i.e., National Guard ORC Instructors, etc. Assignments to Division, Corps and Armies will be made during this period as will a tour of duty in The Surgeon General's Office, Air Surgeon's Staff and Air Commands.
- (2) Officers selected to follow careers in Supply Administration will be given further training at Medical Department Schools for ultimate assignments to Medical Depots -- Procurement Offices, Civilian Agencies, Special Assignments and to Medical Department Installations.
- (3) Selected officers with initial degrees in Pharmacy will be selected for further training leading to Masters and Ph.D. degrees in Pharmacy. Such officers will serve as Technical Instructors, Pharmacy officers in general hospitals, and in research projects.
- (4) Qualified officers will be selected as instructors for various courses in the Medical Department Schools.
- (5) Further training will be given those officers qualified for acceptance at Civilian Schools in their specialized and selected fields. Selected officers will attend the Command and General Staff College.
- (6) Officers having completed the above applicable phases of training and have indicated by actual performance of duty a potentiality for staff positions will be selected to attend Armed Forces Staff College, and the National War College or Industrial College of the Armed Forces.

c. SANITARY ENGINEERING SECTION

- (1) During the initial five-year period, officers upon completion of the Basic Training Course will receive training in the principles of environmental sanitation as it pertains to water supply, sewage disposal, insect and rodent control, swimming pool and bathing place sanitation, garbage and trash disposal, food installations. During this period, he will receive also assignments to various posts, camps, and stations assisting the surgeons and sanitary engineers in carrying out the environmental sanitation program. Supervision of others will be

limited and officer will work under the direction of the unit surgeon.

- (2) During the ensuing period officers will be permanently assigned to Army Headquarters, overseas commands, ports of embarkation and engineering units. They will work in an advisory capacity and under the direction of the unit surgeon. They will have greater latitude for independent thought and decision in matters pertaining to environmental sanitation. During this period, officers will attend Advanced Medical Service Schools and arrange to complete educational requirements for advanced degrees in Preventive Medicine and Public Health Engineering.
- (3) Continued assignments will be made to The Surgeon General's Office, various Army Headquarters, Overseas Commands, and Air Surgeon's Office in Staff capacity. They will assist in developing policy, programs and standards and will be given responsibility for independent thought and action. They will engage in research covering the development of new processes in water supply, waste disposal, housing of troops.

d. OPTOMETRY SECTION

- (1) The period of Basic Training will be applicable to all officers of the Regular Army (MSC) in this section.
- (2) Assignments will be made to General Hospitals, large Station Hospitals and to Camps, Posts and Stations with the population of over 15,000 troops for actual application of optometry. Certain officers will be assigned as instructors in Medical Department Schools. Selected officers will be given advance training in Civilian Institutions. Skilled officers will be assigned a normal tour of duty in The Surgeon General's Office as Consultants in all optometry matters.

e. ALLIED SCIENCES SECTION

- (1) GROUP I - Bacteriologists, parasitologists, serologists, bio-chemists, and Laboratory Officers General.
 - (a) Career assignment and instructions for these officers will not be consistent inasmuch as requirements for commission as pertaining to degrees vary from a B.S. through the various Masters degrees to Ph.D. and possible D.Sc. It is therefore, naturally understood that the individual possessing a Ph.D and/or D.Sc. degree will not be required to undergo certain portions of training listed in preceding paragraphs and that immediate assignments to positions of responsibility and skill will be given. However, all

responsibility and skill will be given. However, All newly commissioned officers will receive orientation and indoctrination training.

- (b) Initial assignments will depend to an extent upon the education and training of the officer, but in general, these officers will be assigned to Army Area and General Hospital Laboratories where considerable supervision will be possible and the professional qualifications evaluated by individuals with considerable experience. Following this period, advanced professional training in Civilian Institutions leading to a higher degree will be given to selected officers. Assignments to various research and teaching projects in the Army Medical Research and Graduate School, Army Area Laboratories and to large overseas laboratories will ordinarily follow. In these assignments, officers concerned will be given greater responsibilities.
- (c) Officers not selected for attendance at Civilian Institutions will be assigned to the Army Medical Department Research & Graduate School for further training and experience, to overseas laboratories and to station hospitals, where they may function as Assistant Chief of Laboratory Service. Some of these officers will be assigned as Instructors at the MFSS, Brooke Army Medical Center.
- (d) During the ensuing years, these officers will be assigned to various laboratories to type depending upon their demonstrated ability to perform independently. Some of them will be given definite research projects. Others will be assigned as Assistant Chiefs of Laboratory Service in General Hospitals, Army Area and overseas laboratories. Conditions permitting, all officers during this period will be sent to Army Installations for short periods for refresher training or to develop special skills in appropriate fields. Highly qualified individuals will be available to head divisions in the Army Medical Department Research & Graduate School, assume direction of various schools and divisions in large laboratories and to staff positions. In addition, officers will continue with professional work in the larger laboratories, on research projects, and in training younger officers.

(2) GROUP II - Nutritionists.

- (a) The General phase of Basic Training will be given to these officers where applicable. Assignments to Medical Nutrition Laboratories will follow for training and experience in Dietetics, Clinical Nutrition, and Nutritional Surveys.

Training in Mess Management at the QM Food Service School will be required. Assignments to Army Area Headquarters and Major Theater Headquarters as Nutrition Consultants will be given. These officers will act as Consultants to the Surgeon in all matters, will conduct Nutritional Surveys and make Nutritional Evaluation of Menus, etc.. Training in advanced education in Basic Biological Science (Biochemistry, Pathology, Physiology and Food Technology) will be given selected officers at accredited Civilian Schools and Colleges.

- (b) Certain individuals will be assigned to Military Government Headquarters as Consultant to the Chief of Public Health Branch on Nutrition matters. Will supervise Nutrition Surveys on Civilian population, advise on ration scales and supervise research on nutritional deficiency diseases.
- (c) Certain officers upon acquiring a degree of proficiency on nutrition matters will be assigned to SGO as Consultant on nutrition matters, will determine nutrition policies of the Army, advise the QM on nutrition matters, and coordinate Army Nutrition with Interested Civilian and Governmental Agencies.

(3) GROUP III - Entomologist.

- (a) Individuals in this group entering the service without a Ph.D. degree will follow the initial period of Basic Training. Followed by assignments to Army Laboratories, Medical Entomology Field Units, and Posts, Camps, and Stations of 15,000 strength. During this period the officer will receive training and experience in Basic Army Policy and Procedure and in Medical Entomology as related to the Army. Close supervision by proficient entomologists will be given. Continued assignments will be to positions involving greater responsibility in Army Laboratories and Medical Entomology Field Units. Officers will be assigned as instructors in Medical Department Schools, detailed as Staff Officers for Military Government and to liaison and research assignments. Attendance at Medical Department Schools and advanced Professional Training in Entomology and Public Health at Civilian Graduate Institutions will be made available to selected officers.

(4) GROUP IV - Psychiatric Social Workers, and Clinical Psychologists.

- (a) Officers in this group accepted for duty with the Army will be professionally trained, the psychiatric social worker having his Masters Degree in social work and the clinical

psychologist having his Doctor's Degree in Clinical Psychology, therefore, the period of basic training will vary to some extent; however, a thorough training in the basic subjects essential to orientation to the responsibilities and duties of the Regular Army officers as well as basic essential assignment in practicing his respective profession. Succeeding years will include a progressive series of duty assignments, where additional training and education may be obtained. During this period, officers will be assigned to duty with neuro-psychiatric services in General Hospitals, Disciplinary Barracks, Station Hospitals, Training Centers, Induction Centers, Special Neuropsychiatric Units, Divisions and Army Headquarters.

- (b) The initial assignment in the actual practice of his profession will be in the larger Neuropsychiatric Installations, such as the General Hospital, in which the officer can obtain a thorough grounding to the Military Psychiatric Program under professional supervision in his specialty which will be available at the larger installations. Following this initial assignment to the larger installation, the officer will be placed on duty with the Neuropsychiatric Services of a smaller installation, such as a Station Hospital or Special Neuropsychiatric Unit, where he will directly responsible, without professional supervision, for the program of his respective specialty. This will give him the opportunity to develop and plan the program, coordinate the program with the other sections of the neuropsychiatric team and supervise and train the other staff members in his specialty. A variety and breadth of experience and background will be provided for the officer by assigning him duty in disciplinary barracks, hospitals and induction and training centers. This variety of experience will prepare him for subsequent administrative and consultative assignments.
- (c) Duty with administrative and consultative responsibilities in The Surgeon General's Office, Army Area Headquarters, Theater and Base Section Headquarters, and allied functions such as Selective Service Headquarters and Military Government. Such assignments should progress from the lower to the higher levels of administration and should progressively include increased responsibilities for policy forming and program determination.
- (d) Duty as instructor in Service Schools, such as, the Command and General Staff School and the United States Military Academy, and other service schools. After a thorough and fundamental background of practicing his profession in at

least three different settings and being responsible for the administration and consultation duties on the larger headquarters, this officer, toward the end of this general assignment period should be well equipped to instruct in his profession at the service schools where his specialty is taught. This will not only include instruction in his field in classes designed primarily for his profession, but will include instruction in his profession as an allied subject to courses primarily designed in other fields.

- (e) Duty in research with the Medical Research and Development Board and other research assignments. For the officer in each of these professions who is interested in, and has an aptitude for, research work, an assignment in the area of research in his profession would be extremely profitable to the service. This phase of the total program is as important as any other phase and officers will be encouraged to seek assignments in this area. For the more capable and advanced officer, assignments will be made involving responsibility for the organization and direction of the research program in his profession and for coordinating this program with other research activities of the service.
- (f) In addition to the duty assignments outlined in the foregoing paragraphs, assignments will be made to provide advanced training and education in each of the two professions. Such assignments will include advanced graduate professional training at Civilian Institutions so that the officer can obtain maximum recognition in his profession and can keep abreast of developments in his specialty. Attendance at special courses in related subjects in the Medical Department Schools will be provided for these officers to facilitate coordination of the professions with all other activities of the Medical Department.

(5) GROUP V - Additional

- (a) The list of specialties required in the Medical Allied Section may be supplemented from time to time as the need would indicate. Determination of additional specialties required will be made by The Surgeon General and necessary assignment instructions will be issued.

30. ARMY NURSE CORPS

a. GENERAL ASSIGNMENT INSTRUCTIONS

- (1) The limitations imposed by the composition and training of officers of the Army Nurse Corps preclude their assignment out-

side of the specific field of Medical Department Nursing Service. Officers who become specialized within areas of the nursing service as indicated by their assigned classification should have duty assignments commensurate with their classification and ability but may also be given duties outside their specific field when required by the work-load at their assigned station.

31. WOMEN'S MEDICAL SPECIALIST CORPS

a. DIETITIAN SECTION

- (1) Upon the acceptance of their commissions, all Dietitians will be assigned to the Basic Medical Department Female Officer's Course at Brooke Army Medical Center. Upon the completion of this course, these officers will be assigned to Army general hospitals for experience in Administration, diet therapy, and teaching.
- (2) After an officer completes two years of this experience, she will be eligible for overseas duty. Attendance at the Advanced Hospital Mess Administration Course (one month), conducted at the Brooke Army Medical Center, will be required for all officers between the third and sixth years.
- (3) Upon the completion of three years of military experience, specialization may begin. Officers who are adept in administrative procedures may be selected to attend civilian courses in Personnel Management and Institution Foods, or may attend the Food Service Supervisor's Course, conducted by the Quartermaster Corps, U.S. Army. Upon completion, the officer may be assigned as an Assistant Food Service Supervisor in a large general hospital or as a Food Service Supervisor in a smaller general or large station hospital.
- (4) The officer desiring to specialize in Diet Therapy may be given graduate work in Advanced Nutrition. She may be assigned as a Therapeutic Diets Supervisor in a general hospital. Those interested in training may be given an opportunity to receive additional graduate work in Education and Personnel Management. At a later date, one of this group may be selected as Educational Director, Department of Dietetics, Medical Department Field Service School.
- (5) Dietitians will also be needed for assignment to out-patient clinics. Officers desiring to enter this field may be given graduate courses in Advanced Nutrition and Civilian Food Clinics.
- (6) Officers who have demonstrated outstanding administrative ability may be assigned to the Office of The Surgeon General or to the office of the Surgeon, Headquarters, Army Areas or over-sea Commands. After nine years of service, an officer so qualified

will be selected to attend the Command and General Staff College.

- (7) Assignments of individual officers will be made on a planned, rotating, and progressive pattern through station and general hospitals in accordance with demonstration of increased ability and acceptance of responsibility.

b. PHYSICAL THERAPIST SECTION

- (1) On entering the military service, all Physical Therapists will attend the Basic Medical Department Female Officer's Course at Brooke Army Medical Center. Upon completion thereof, all officers will be assigned to general hospitals where they will obtain additional experience in the administration of all types of physical therapy. Upon the completion of a year's experience in a general hospital, officers in the administration of a small physical therapy section, and/or when practicable, to a normal tour of duty overseas.
- (2) Specialization should not begin until after the completion of four years of military experience. However, it may be initiated in selected cases upon the completion of three years of service. An officer's professional experience during this period will progress from general application to highly specialized techniques and, in some instances, to clinical research.
- (3) Officers who have demonstrated outstanding administrative ability may be assigned to civilian institutions for graduate training in personnel management and administration. Those who have demonstrated outstanding ability in the Advanced Professional Training Course and in specialized application, may be selected for graduate training in civilian institutions in Physical Therapy and such subjects as anatomy, physiology, neurology, biophysics, kinesiology, and the fundamentals of experimental research. The Technical Director of the Physical Therapy Training Program at the Medical Department Field Service School, Brooke Army Medical Center, will normally be selected from among officers who have completed some of these courses.
- (4) Officers who have demonstrated outstanding administrative ability will be assigned to the Office of The Surgeon General or to the office of the Surgeon, Headquarters, Army Areas or oversea Commands. After the completion of twelve years of military service, the most promising physical therapist will be selected to attend the Command and General Staff College.
- (5) Assignments of individual officers will be made on a planned, rotating, and progressive pattern through station and general hospitals in accordance with demonstration of increased ability and acceptance of responsibility.

c. OCCUPATIONAL THERAPIST SECTION

- (1) On entering the military service, all Occupational Therapists will attend the Basic Medical Department Female Officer's Course at Brooke Army Medical Center. Upon completion thereof, these officers will be assigned to general hospitals where they will obtain supervised experience in the administration of all types of occupational therapy. Upon the completion of one or two years of experience in a general hospital, officers will be assigned to station hospitals where they will have experience in the administration of a small occupational therapy section, and/or when practicable to a normal tour of duty overseas.
- (2) Advanced Professional Training will be available at any time following completion of the basic training period, and will include such subjects as peripheral nerve injuries, amputations, infantile paralysis, tuberculosis, and neuropsychiatric disabilities. Study in civilian rehabilitation institutions may be given to selected officers for advanced practice.
- (3) Upon the completion of five years of military service, Occupational Therapists who have demonstrated ability may be selected for graduate training civilian institutions in occupational therapy, including such subjects as anatomy, physiology kinesiology, tests and measurements, administration, and personnel management.
- (4) Officers who have demonstrated outstanding administrative ability will be assigned to the Office of The Surgeon General or to the office of the Surgeon, Headquarters, Army Areas and/or oversea Commands. After the completion of twelve years of military service, the most promising occupational therapist will be selected to attend the Command and General Staff College.
- (5) Assignments of individual officers will be made on a planned, rotating, and progressive pattern through station and general hospitals in accordance with demonstration of increased ability and acceptance of responsibility.

MEDICAL SERVICE CORPS OFFICERS' CAREER PATTERN

DEFINITIVE PERIOD	RETIREMENT		ASSIGNMENTS TO POSITIONS OF RESPONSIBILITY					
	ELIGIBILITY FOR ATTENDANCE AT SCHOOL	MAXIMUM AGE 45	REPEAT TOURS IN DEPARTMENT OF THE ARMY. BRANCH CHIEF LEVEL ASSIGNMENTS IN SGO OR THEATER SURGEON STAFF, INSTRUCTORS AT COMMAND & GEN. STAFF COLLEGE, ARMED FORCES COLLEGE, INDUSTRIAL COLLEGE OF THE ARMED FORCES OR NATIONAL WAR COLLEGE SUPERVISORY DUTIES AT THE MEDICAL CORPS SCHOOLS AND LABORATORIES STAFF AND ADMINISTRATIVE ASSIGNMENTS.					
23-								
22-								
21								
20-	MAXIMUM AGE 41		1. ASSIGNMENTS NOT MATERIAL TO THE FIVE SPECIFIED FIELDS	2. PHARMACY, SUPPLY, & ADMINISTRATION	3. SANITARY ENGINEERING SECTION	4. OPTOMETRY SECTION	5. ALLIED SCIENCES SECTION	
19-			NOT MORE THAN 30% OF TIME MAY BE SPENT IN ASSIGNMENTS NOT MATERIAL TO ANY OF THE FOUR SPECIFIED FIELDS					
18-	MAXIMUM AGE 40		GENERAL & SPECIAL STAFF, U.S.A.	a. DIVISION, CORPS & ARMY SURGEON'S OFFICE b. INSTRUCTOR, MD SCHOOLS c. FIELD MEDICAL UNITS d. SURGEON GENERAL'S OFF. e. AIR SURGEON'S STAFF and AIR COMMANDS f. THEATER AND BASE SECTION STAFF g. HOSPITALS - GENERAL AND STATION h. MEDICAL DEPOTS i. MEDICAL DEPARTMENT PROCUREMENT OFFICES j. SPECIAL COURSES AT CIVILIAN UNIVERSITIES k. SPECIAL COURSES IN RELATED SUBJECTS IN MEDICAL DEPARTMENT SCHOOLS	a. POSTS, CAMPS & STATIONS b. ARMY HEADQUARTERS c. OVERSEAS COMMANDS d. MEDICAL DEPARTMENT SCHOOLS, TRAINING CENTERS & RESEARCH LABORATORIES e. SURGEON GENERAL'S OFF. f. HEADQUARTERS USAF - AIR SURGEON'S OFFICE AND AIR COMMANDS g. CORPS OF ENGINEERS - LIAISON TO ENGINEERING SCHOOL AND ENGINEERING BOARD h. TRANSPORTATION CORPS - PORT AND VESSEL ENVIRONMENTAL SANITATION i. MILITARY GOVERNMENT (STAFF CONSULTANTS) j. ADVANCED EDUCATION IN CIVILIAN INSTITUTIONS k. COMMAND AND GENERAL STAFF COLLEGE	GENERAL HOSPITALS INSTRUCTOR, MEDICAL DEPARTMENT SCHOOLS SURGEON GENERAL'S OFFICE ADVANCED TRAINING IN CIVILIAN INSTITUTIONS NUTRITIONIST ENTOMOLOGIST	BACTERIOLOGIST PARASITOLOGIST-SEROLOGIST BIOCHEMIST AND LABORATORY OFFICER-GENERAL RESEARCH AND GRADUATE SCHOOL C. HOSPITAL LABORATORY, GENERAL AND STATION d. SURGEON GENERAL'S OFFICE e. OVERSEAS MEDICAL AND HOSPITAL LABORATORY f. INSTRUCTOR, MD SCHOOL g. PROFESSIONAL TRAINING MEDICAL DEPT. SCHOOLS h. ADVANCED PROFESSIONAL TRAINING AT CIVILIAN INSTITUTIONS i. INSTRUCTOR, SPECIAL SERV. SCHOOLS j. INSTRUCTOR, PMS&T (CIVILIAN INSTITUTIONS) k. MEDICAL RESEARCH AND DEVELOPMENT BOARD l. PROFESSIONAL TRAINING MD SCHOOLS m. ADVANCED EDUCATION IN CIVILIAN INSTITUTIONS	e. AIR SURGEON'S STAFF AND AIR COMMANDS f. HEADQUARTERS OVERSEAS COM. g. SURGEON GENERAL'S OFFICE h. LIAISON & RESEARCH WITH CIV. AGENCIES - i.e. U.S. DEPT OF AGRICULTURE, U.S. PUBLIC HEALTH SERVICE i. MILITARY GOVERNMENT (STAFF CONSULTANTS) j. PROFESSIONAL TRAINING MD SCHOOLS k. ADVANCED EDUCATION IN CIV. INSTITUTIONS PSYCHIATRIC SOCIAL WORKER, CLINICAL PSYCHOLOGIST a. HOSPITALS, GEN. & STATION b. DISCIPLINARY BARRACKS c. TRAINING CENTERS d. INDUCTION CENTERS e. ARMY HEADQUARTERS f. SURGEON GENERAL'S OFFICE g. THEATER AND BASE SECTION HEADQUARTERS h. MILITARY GOVERNMENT i. INSTRUCTOR, SPECIAL SERV. SCHOOLS j. INSTRUCTOR, PMS&T (CIVILIAN INSTITUTIONS) k. MEDICAL RESEARCH AND DEVELOPMENT BOARD l. PROFESSIONAL TRAINING MD SCHOOLS m. ADVANCED EDUCATION IN CIVILIAN INSTITUTIONS
17-			DUTY WITH CIVILIAN COMPONENTS					
16-			INSTRUCTORS IN ARMY SCHOOLS OTHER THAN MEDICAL DEPARTMENT					
15-			DUTY WITH CIVILIAN AGENCIES					
14-			ANY OTHER ARMY, AIR FORCE, NAVY, STATE DEPARTMENT OR FOREIGN SERVICE SCHOOL					
13-								
12-								
11-								
10								
9-								
8	* ADV. OFF. BR. - I COURSE - MFSS							
7								
6								
5								
4-								
3-								
2-			* BASIC OFFICERS COURSE - MFSS					
1-			* ARMY BASIC SCHOOL					

NOTE: DURING THIS PERIOD, EACH OFFICER WILL SERVE AT LEAST 18 MONTHS WITH T/O MEDICAL UNITS EITHER IN THE ZI OR OVERSEAS. WHENEVER AN OFFICER IS ON DUTY IN A MEDICAL UNIT IT IS DESIRABLE TO HAVE HIM ROTATE THROUGH ALL OF THE DUTY ASSIGNMENTS IN THE UNIT WHICH ARE APPROPRIATE TO HIS GRADE AND QUALIFICATIONS.

*MANDATORY ASSIGNMENTS

RESEARCH PSYCHOLOGIST (2231)

Plans, formulates, supervises, or conducts psychological research pertaining to a wide variety of military problems, such as procurement, selection, classification, assignment, and training of personnel; design and use of training aids and military equipment; measurement and evaluation of performance and achievement; measurement and control of morale; and surveys of opinions and attitudes.

Employs available tests, rating scales, questionnaires, and other devices which will aid in the solution of these problems. Develops various types of psychological measuring devices, such as written and performance tests of aptitude and proficiency; personality inventories; rating scales; standardized interviews; and questionnaires. Develops experimental apparatus or equipment needed to conduct necessary research. Employs experimental and statistical techniques; collects data relevant to the specific problems, such as test scores and personal data; prepares reports and recommendations.

Must have experience in experimental psychology, developmental psychology, social psychology, physiological psychology, psychometrics, statistical methods, or related branches of applied psychology.

Must have a Doctor's degree based in part upon a psychological dissertation conferred by a graduate school of recognized standing or must have been certified in a field of professional psychology by a specialty board acceptable to the Department of the Army.

Note. This MOS will not be used for personnel who do not meet the specifications of the preceding paragraph. See MOS PSYCHOLOGICAL ASSISTANT (2239) for psychological personnel having lesser qualifications.

CLINICAL PSYCHOLOGIST (2232)

As a member of the neuropsychiatric team in any station dealing with the problems of military personnel having disabilities of a psychological nature, performs one or more of the duties described in the following paragraphs.

Applies psychological principles and techniques as aids to the diagnosis and treatment of individuals; administers and interprets projective and other psychological tests, including those of personality, intelligence, motor coordination, achievement, vocational aptitude, and interests.

Carries out remedial therapy in cases of aphasia, speech, hearings, visual, habit, and motor defects; counsels on educational and vocational problems, and on changes in military occupational specialty for military personnel having neuropsychiatric or other psychological disabilities; assists in or carries out psychotherapy under neuropsychiatric supervision.

Performs experimental research as related to the evaluation of current and proposed methods of therapy and diagnosis, and dynamics of normal and abnormal behavior and problems of personality development.

Provides instruction and training in the principles and practices of clinical psychology to appropriate members of the neuropsychiatric staff and others; assists in the program of orienting officers and enlisted men in personal adjustment problems.

Recommends revision of policies to improve use of clinical psychology personnel; serves as liaison officer in clinical psychology between other military and civilian agencies.

Must have a Doctor's degree based in part upon a psychological dissertation conferred by a graduate school of recognized standing or must have been certified in clinical psychology by a specialty board acceptable to the Department of the Army.

Note: This MOS will not be used for personnel who do not meet the specifications of the preceding paragraph. See MOS PSYCHOLOGICAL ASSISTANT (2239) for psychological personnel having lesser qualifications.

PSYCHOLOGICAL ASSISTANT (2239)

Assists a PERSONNEL PSYCHOLOGIST (2230), RESEARCH PSYCHOLOGIST (2231), or a CLINICAL PSYCHOLOGIST (2232) by performing selected aspects of those military occupational specialties under direction of such a specialist, or when not so supervised, undertakes simpler duties of a psychological nature requiring limited professional judgement and training.

Must have completed a full 4-year course in a college or university of recognized standing, which has included or been supplemented by at least one course in each of the following fields: general, educational, or dynamic psychology; psychological statistics, or group tests and measurements; experimental or physiological psychology; test construction, educational research methods, or individual psychological testing.

Note: This MOS will be used for personnel who meet the specifications of the preceding paragraph but who have not attained the standards required for an MOS as PERSONNEL PSYCHOLOGIST (2230), RESEARCH PSYCHOLOGIST (2231), CLINICAL PSYCHOLOGIST (2232).

BACTERIOLOGIST (3307)

REVISIONS of TM 12-405 pending approval of AGO

Performs and supervises diagnostic bacteriological operations, such as making microscopic examinations, isolating and classifying bacteria from specimens of blood and discharges. Conducts and directs research studies in the etiology and control of infectious diseases. Collects, maintains and studies stock cultures of bacteria noting significant variations from established descriptions of species. Conducts special and routine serologic tests, performs bacteriological water and food analyses, prepares vaccines and sera, submits reports of laboratory studies. May investigate special problems such as the significance of possible etiological agents in ill-defined infections, the mechanisms of resistance to infectious diseases and the investigation of antigens for the production of more effective vaccines.

Must have had at least 4 years' training or experience in medical diagnostic bacteriology acquired in the Army, at a hospital, medical school, research agency, or governmental health agency.

Must be university or college graduate with specialization in bacteriology and minor study in chemistry.

BIOCHEMIST (3309)

Performs chemical analyses of body fluids including blood, urine, pus, and other exudates and transudates. Makes blood sugar determinations; determines blood nitrogen levels; makes blood, urine, and spinal fluid studies; determines concentrations of drugs such as sulfonamides; performs milk and water chemical analyses; identifies poisons of animal, vegetable, and mineral origin, in toxicology, in connection with the analysis of body fluids, foods, and unknown materials. May direct and perform research studies in the field of biochemistry.

Must have had at least 4 years' training or experience in biochemistry acquired in the Army, at a hospital, medical school, research agency or governmental health agency.

Must be college or university graduate with specialization in chemistry or biochemistry.

PARASITOLOGY (3310)

Makes surveys for parasites and vectors. Examines diagnostic material by clinical laboratory methods, identifying gross and microscopic specimens and forwarding diagnosis to attending physicians; maintains insect colonies for laboratory study and instruction purposes; prepares antigens for parasitological treatment inoculation. May teach parasitology and entomology to enlisted and commissioned personnel by lecture and demonstration. May prepare instructional aids such as pamphlets, lantern slides, specimens, and histopathological sections.

Must have had at least 4 years' training or experience in medical parasitology or entomology acquired in the Army, at a hospital, medical school, research agency or governmental health agency.

Must be a graduate of an approved college or university with specialization in natural sciences.

SEROLOGIST (3311)

Prepares, standardizes, and supervises production of diagnostic antigens and sera. Performs and supervises examination and interpretation

of serological tests; maintains record of serological reactions; maintains or supervises maintenance of stock culture collections of bacteria; makes research studies concerned with production and testing of experimental vaccines, as for cholera. May teach serological techniques and interpretation and performance of clinical laboratory tests.

Must have had at least 4 years' training or experience in serology or immunology acquired in the Army, at a hospital, medical school, research agency, or governmental health agency.

Must be graduate of an accredited college or university with specialization in serology and bacteriology.

CLINICAL LABORATORY OFFICER (3314)

Supervises and performs clinical laboratory procedures in hematology, bacteriology, serology, biochemistry, parasitology and other phases of diagnostic laboratory work; instructs personnel in laboratory procedures; supervises preparation of reports of tests and findings; maintains records. May serve as chief of a section in a hospital laboratory.

Must have had experience in medical laboratory work in a hospital, public health institution, or accredited private laboratory and hold at least a Bachelor's degree.

ENTOMOLOGIST (3315)

Serves as consultant in matters pertaining to health and sanitation from the standpoint of insect and vermin control. Makes regular entomological surveys; identifies medically important insects; recommends control measures based on knowledge of the ecology, life cycles, and habits of the insects under consideration and follows through on adopted policies and procedures; acts as liaison between the medical officers and others on matters pertaining to the maintenance of health standards from the viewpoint of the control of vermin, mosquitoes, and other insects; supervises subordinates and assistants, maintains records, conducts correspondence, and prepares reports and recommendations.

Must have at least 4 years' experience in medical entomology acquired in the Army or in the employ of a city, county, or state health department, the United States Public Health Service, the United States Department of Agriculture, an approved college or university, or other agency specializing in medical entomology.

Must be graduate of an approved college or university with a major in entomology. Graduate degrees in entomology may be substituted for one year of experience.

NUTRITION OFFICER (3316)

Advises the surgeon on matters pertaining to food and nutrition affecting the health of all personnel within the command. Studies rations and mess operations, including the selection, distribution, preparation, and service of food, as they affect the health of troops; makes recommendations for the correction of defects or deficiencies, and on the need for inclusion of vitamin concentrates as an article of the ration; prepares data on food preparation, nutritive value of foods, and adequacy of rations; studies adequacy of the food consumed by the soldier through nutritional surveys of messes and individual mess analysis; cooperates with the Quartermaster Corps in an advisory capacity on nutritional matters; assists in instruction of officers and enlisted men with regard to nutrition and the attainment of adequate dietary standards; prepares reports and makes recommendations on nutritional matters.

Must be a graduate of a college or university and have 3 years' experience in the field of nutrition or in the nutritional aspects of one or more of the following fields; physiology, biochemistry, food chemistry, hold degree of Doctor of Philosophy or Doctor of Science, or hold a certificate indicating completion of work for such degree from a recognized college or university.

AVIATION PHYSIOLOGIST (3327)

Directs and supervises the altitude training program of an Army Air Forces unit or air base. Under technical supervision of the surgeon at the station to which assigned, instructs personnel in the physiological principles related to high altitude flying operations; in cooperation with the unit oxygen officer, instructs in care and employment of oxygen and related equipment; supervises operation and maintenance of the altitude training chamber. May collect various data required for the solution of physiological problems.

Must be a graduate of the course in aviation physiology at the School of Aviation Medicine.

Must hold a Doctor of Philosophy degree, or its equivalent, in the biological sciences.

PSYCHIATRIC SOCIAL WORKER (3605)

Directs or supervises the psychiatric social work in a hospital or clinic. Develops a social service program and establishes social work policies under supervision of the psychiatrist; assists psychiatrist in the coordination of the social work activities with those of the clinical psychologist, the Red Cross, and related services; supervises, through

reading of records and conferences, the social case work activities of the enlisted psychiatric social workers; plans, with the psychiatrist, on-the-job training for psychiatric social workers and for psychiatric assistants, and takes part in appropriate instruction; undertakes social work treatment of such special cases as may be assigned by the psychiatrist.

Must have completed academic requirements and supervised field work in an accredited school of social work, with a major in psychiatric social work; or have completed academic requirements and supervised field work in an accredited school of social work, with a major in social case work, plus at least 6 month's supervised experience in a psychiatric agency.

TOXICOLOGIST (7316)

Examines water, chemical and drug samples for toxicity and physiological action, and supervises enlisted and civilian technicians in conduct of similar examinations. Instructs officers and enlisted students in toxicological and biochemical laboratory procedures; records effects and composition of samples tested, identifying samples through interpretation of effect or reaction; prepares reports of activities and findings.

Must have biochemical laboratory experience.

Must be graduate of an accredited college or university with specialized training in biochemistry, toxicology, and related subjects.

INDUSTRIAL HYGIENIST (7430)

Assists in establishing a system of principles or rules for the promotion of health among industrial workers. Inspects industrial environment of arsenals, depots, and other plants for industrial health hazards; evaluates conditions and recommends corrective measures to promote sanitation and health; determines ventilation adequacy and requirements; makes analyses of and evaluates mists, vapors, dusts, gases, and materials to determine health hazards and to recommend appropriate control measures; recommends selection, procurement, and maintenance of protective devices such as respirators, masks, gloves, goggles, and clothing.

Must have at least 2 years' appropriate experience in industrial hygiene engineering work.

Must be graduate of approved college or university, with major in mechanical, chemical, industrial, or ventilating engineering. Post graduate work in these fields desirable.

PAY AND ADVANCEMENT OF OFFICERS

Officers of the Medical Service Corps are on the same promotion schedule as the balance of the Army, i.e., three years to 1st Lieutenant, four years as 1st Lieutenant to Captain, seven years as Captain to Major, seven years as Major to Lt. Colonel.⁽¹⁾ Appointments to Colonel are made by selection from Lt. Colonels who have had at least one year of service.

PAY SCHEDULE

Grade	Monthly Base Pay	Rental*	Subsistence*	TOTAL
Colonel	366.67	\$120	\$ 42	\$528.67
Lt Colonel	320.83	120	63	503.83
Major	275.00	105	63	443.00
Captain	230.00	90	42	362.00
1st Lieutenant	200.00	75	42	317.00
2nd Lieutenant	180.00	60	42	282.00

* With dependents

In addition, a 5 per cent increase in base pay is given for each 3-year period of active duty. Medical service is furnished. Retirement is provided after 30 years of service at three-fourths base and longevity pay.

- (1) These are the maximum periods. Promotion may be made after shorter periods of service if vacancies exist.

AVERAGE SALARY RANGES FOR LABORATORY PERSONNEL

(From the American Journal of Public Health, 38:107, Jan. 1948)

<u>POSITION</u>		<u>NUMBER OF STATES REPORTING</u>	<u>AVERAGE ANNUAL SALARY RANGE</u>
Laboratory Director	. . . . .	42	\$5,220-\$6,384
Assistant Director	. . . . .	19	4,152- 5,088
Principal Bacteriologist	. . . . .	13	4,080- 5,016
Associate Bacteriologist	. . . . .	38	3,192- 4,056
Senior Bacteriologist	. . . . .	34	2,544- 3,216
Junior Bacteriologist	. . . . .	37	2,148- 2,712
Principal Chemist	. . . . .	4	3,960- 5,124
Associate Chemist	. . . . .	14	3,636- 4,656
Senior Chemist	. . . . .	14	2,968- 3,588
Junior Chemist	. . . . .	9	2,244- 2,968
Laboratory Assistant	. . . . .	35	1,752- 2,268
Laboratory Helper	. . . . .	32	1,316- 1,824

CIVILIAN SCIENTISTS INVITED TO ATTEND CONFERENCE

SCIENTIFIC SOCIETIES AND THEIR REPRESENTATIVES:

American Association for Advancement of Science

Walter A. Bloedorn, M.D.
Dean, The George Washington University School of Medicine

American Association of Economic Entomologists

Ernest N. Cory, Ph.D.
Secretary, Am. Assn. of Economic Entomologists

S. A. Rohwer, President
American Association of Economic Entomologists

American Association of Psychiatric Social Workers

Margaret Hagan, President
American Association of Psychiatric Social Workers

Myron J. Rockmore, M.S.S.W.
The New York Psychoanalytic Institute
245 East 82d Street
New York, New York

American Chemical Society

Hans T. Clarke, Sc.D.
Department of Biochemistry, Columbia University

C. G. King, Ph.D.
Scientific Director, The Nutrition Foundation, Inc.

American Institute of Biological Sciences

W. O. Fenn, Ph.D.
Prof. of Physiology, School of Medicine and Dentistry
University of Rochester (New York)

Leland W. Parr, Ph.D.
Professor Bacteriology, School of Medicine, Geo. Washington University

American Institute of Nutrition

E. M. Nelson, Ph.D.

Chief, Vitamin Div. of the Food and Drug Administration

American Physiological Society

S. R. M. Reynolds, Ph.D.

Research Associate, Dept. of Embryology, Carnegie Inst. of Washington

Milton O. Lee, Ph.D.

Exec. Sec., American Physiological Society, Washington, D. C.

American Psychological Association

Dael Wolfle, Ph.D.

Exec. Sec. of American Psychological Association

Laurance Shaffer, Ph.D.

Chairman, Dept. of Guidance, Columbia University, New York

American Public Health Association

Francis B. Elder, M.S.P.H.

Engineering Associate of Am. Public Health Assn.

William Levin, M.D.

Director of Laboratories, State Health Department, Portland, Oregon

American Society of Biological Chemists

Otto A. Bessey, Ph.D.

Dept. of Biological Chemistry, University of Illinois

Wendell H. Griffith, Ph.D.

Dept. of Biological Chemistry, St. Louis University

American Society of Parasitologists

Gilbert F. Otto, Sc.D.

Assoc. Prof. of Parasitology, John Hopkins University

American Society of Professional Biologists

Norman Laffer, Ph.D.

Dept. of Bacteriology, University of Maryland

The Entomological Society of America

Herbert H. Ross, Ph.D.
Secretary, Entomological Society of America

Paul W. Oman, Ph.D.
United States Bureau of Entomology and Plant Quarantine

Society of American Bacteriologists

Leland W. Parr, Ph.D.
Prof. Bacteriology. George Washington University

Stuart Mudd, M.D.
Prof. of Bacteriology, University of Pennsylvania

OTHER CIVILIAN SCIENTISTS INVITED:

Jorgen Birkeland, Ph.D.
Department of Bacteriology, Ohio State University

Emory C. Cushing, M.S.
Consultant in Entomology

Gustave J. Dammin, M.D., Consultant
Dept. of Pathology, Washington University, St. Louis, Missouri

William R. Duryee, Ph.D.
Carnegie Institute, Washington, D. C.

William Hunt, Ph.D.
Dept. of Psychology, Northwestern University

Robert E. Johnson, Ph.D. and M.D.
Dir. of Army Medical Nutrition Laboratories, Chicago, Illinois

James G. Miller, M.D. and Ph.D.
Dept. of Psychology, University of Chicago

Arthur Stull, Ph.D., Consultant
Laboratories Branch, Div. of Preventive Medicine, USA

Joel Warren, Ph.D.
Virus Section, AMDR&GS, Army Medical Center, Washington

